Index of Claims

App	licatio	n/Cor	ntrol	No.
-----	---------	-------	-------	-----

10/753,495

Examiner

Jason Heckert

Applicant(s)/Patent under Reexamination

KIM ET AL.

Art Unit

1746

	7	Rejected	
-	=	Allowed	

_	(Through numeral) Cancelled

÷

Restricted

N	Non-Elected
1	Interference

Α	Appeal
0	Objected

Tell   File	Cla	aim	Г				Date	e					Cla	im				[	Date	e	
10   10   10   10   10   10   10   10	Final	Original	12/22/06										Final	Original							
3   √   53     4   √   55     6   √   55     6   √   56     7   √   56     57   58   59     10   √   60     11   √   60     11   √   60     11   √   62     13   √   63     14   √   64     15   √   65     16   √   66     17   √   66     17   √   66     17   √   66     19   69   9     20   70   70     21   71   71     22   73   73     24   74   74     25   76   77     28   78   79     30   80   81     31   81   82     33   83   83     34   84   84														51							
4   √     5   √     6   √     7   √     8   √     9   √     10   √     60   60     11   √     61   61     62   63     64   65     16   √     66   67     18   68     19   69     20   70     21   70     21   72     23   73     24   74     25   75     26   76     27   77     28   78     30   80     31   81     32   82     33   83     34   84     35   86     37   87     38   89     40   90     41   91     42   92     43   94																					
5     √       6     √       7     √       8     √       9     √       10     √       60     60       11     √       62     62       13     √       63     63       14     √       65     66       17     √       68     69       20     70       21     71       22     72       23     73       24     74       25     76       26     76       76     76       27     77       28     79       30     80       31     81       32     83       33     84       34     84       35     86       37     88       39     90       40     90       41     91		3												53							L
6   √     7   √     8   √     9   √     10   √     60   60     11   √     61   62     13   √     64   63     14   √     65   66     17   √     18   66     19   66     20   70     21   71     22   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   89     40   90     41   91     42   92     43   94     44   95						匚	L	L	L									<u> </u>	L		L
7   \$\frac{1}{3}\$   \$\frac{57}{58}\$   \$\frac{59}{60}\$     10   \$\frac{1}{3}\$   \$\frac{62}{62}\$   \$\frac{63}{63}\$     14   \$\frac{1}{3}\$   \$\frac{62}{63}\$   \$\frac{64}{64}\$     15   \$\frac{1}{3}\$   \$\frac{66}{64}\$   \$\frac{67}{65}\$     16   \$\frac{7}{3}\$   \$\frac{66}{66}\$   \$\frac{67}{70}\$     18   \$\frac{68}{69}\$   \$\frac{69}{70}\$   \$\frac{71}{71}\$     22   \$\frac{77}{70}\$   \$\frac{77}{72}\$   \$\frac{77}{73}\$     24   \$\frac{7}{74}\$   \$\frac{77}{75}\$   \$\frac{76}{66}\$     27   \$\frac{77}{77}\$   \$\frac{78}{78}\$   \$\frac{80}{79}\$     30   \$\frac{80}{30}\$   \$\frac{80}{30}\$   \$\frac{80}{30}\$     31   \$\frac{81}{30}\$   \$\frac{80}{30}\$   \$\frac{80}{30}\$     33   \$\frac{80}{30}\$   \$\frac{80}{30}\$   \$\frac{80}{30}\$     34   \$\frac{80}{30}\$   \$\frac{80}{30}\$   \$\frac{80}{30}\$     33   \$\frac{80}{30}\$   \$\frac{80}{30}\$   \$\frac{80}{30}\$     34   \$\frac{80}{30}\$   \$\frac{80}{30}\$   \$\frac{80}{30}\$     36   \$\frac{80}{30}\$   \$\frac{80}{30}\$   <								L								_	L	L	_	_	L
8   √     9   √     10   √     11   √     12   √     62   13     14   √     65   66     15   √     66   67     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   78     30   80     31   81     32   82     33   84     34   84     35   85     36   86     37   87     38   89     40   90     41   91     42   92     43   94     44   95     45   96	L	6			L.	L		$ldsymbol{ldsymbol{ldsymbol{eta}}}$									<u> </u>	_	_	L_	L
9 \( \) 10 \( \) \( \) 60 \\ 61 \\ 12 \( \) \\ 62 \\ 13 \( \) \\ 63 \\ 14 \( \) \\ 65 \\ 16 \( \) \\ 65 \\ 66 \\ 17 \( \) \\ 68 \\ 19 \\ 20 \\ 21 \\ 21 \\ 22 \\ 23 \\ 23 \\ 24 \\ 25 \\ 26 \\ 27 \\ 28 \\ 29 \\ 30 \\ 31 \\ 32 \\ 33 \\ 34 \\ 34 \\ 35 \\ 36 \\ 37 \\ 38 \\ 39 \\ 40 \\ 41 \\ 42 \\ 43 \\ 44 \\ 44 \\ 44 \\ 44 \\ 45 \\ 45 \\ 46 \\ 66 \\ 96 \\ 47 \\ 9					L	匚		L	<u></u>								_	_	_		ļ.,
10   \( \sqrt{1} \)	L				_	_	_	L	_					58	L		L-	<u> </u>	_	_	L
11   √     12   √     13   √     14   √     15   √     16   √     18   66     17   √     18   68     19   69     20   70     21   71     22   72     23   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   86     37   87     38   88     39   90     40   90     41   91     42   93     43   94     44   94     45   95     46   96	<u></u>				_	_	_		_	_		ļ			_		<u> </u>	ļ	<u> </u>		L
12   √     13   √     14   √     15   √     16   √     17   √     18   66     19   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     46   96	-				┡		_	_	_						H		L		├—	<u> </u>	├
13   √     14   √     15   √     16   √     17   √     18   66     19   69     20   70     21   71     22   72     23   73     24   74     25   76     27   77     28   78     29   79     30   80     31   81     32   82     33   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   95     46   96     47   97				ļ	<u> </u>	┡	<u> </u>	<u> </u>						61	-			<u> </u>	<u> </u>		╀
14   √     15   √     16   √     17   √     18   68     19   69     20   70     21   71     22   72     23   73     24   74     25   76     27   77     28   78     29   80     30   80     31   81     32   82     33   83     34   84     35   86     36   86     37   87     38   88     39   90     40   90     41   91     42   92     43   94     44   94     45   96     46   96	-			<u> </u>	-	⊢	-	-	<u> </u>	_	_		_	62	-			H	<u> </u>		┝
15 √   65     16 √   66     17 √   68     18   69     20   70     21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   82     33   83     34   84     35   85     36   86     37   87     38   89     40   90     41   91     42   92     43   93     44   94     45   96     46   96	<u> </u>				⊢	┝	_	-	-	-	_					_	$\vdash$		┝	-	⊢
16   \$\langle	-			-	├	⊢		-		-				65	┝		-	⊢	-	-	├
17   \lambda     18   66     19   66     20   70     21   71     22   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   84     35   85     36   86     37   88     39   89     40   90     41   90     42   92     43   94     45   96     46   96				-	-	⊢	$\vdash$	-	-	-			_		H		-	┝	├一	┝	╁
18   68     19   70     21   71     22   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   84     35   85     36   86     37   88     39   89     40   90     41   91     42   92     43   94     45   96     47   97	<u> </u>			_	-	┝	├	├	-	$\vdash$				67	H	—	┢	-	┢	$\vdash$	⊢
19   69     20   70     21   71     22   72     23   74     25   75     26   76     27   77     28   79     30   80     31   80     32   83     33   84     35   85     36   86     37   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97	-		<u> </u>	$\vdash$	├	┢	┢	$\vdash$	-		-				┝╌	_	┝	-	$\vdash$	┢	H
20   70     21   71     22   72     23   74     25   75     26   76     27   77     28   79     30   80     31   80     32   83     33   84     35   85     36   86     37   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97	-				-	⊢	┢	$\vdash$	$\vdash$	┢╌	$\vdash$				-	_	┝╌	-	$\vdash$	┢	H
21   71     22   72     23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   83     33   84     35   85     36   86     37   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97	<u> </u>	20	┝		┢		-	-	-	-	┢			70	$\vdash$	_	$\vdash$	┢	$\vdash$	-	H
22   72     23   74     25   75     26   76     27   77     28   78     29   80     31   81     32   82     33   84     35   85     36   86     37   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97		21		-	H	H	-	$\vdash$	-	$\vdash$	$\vdash$						-		-	┢	H
23   73     24   74     25   75     26   76     27   77     28   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   88     39   89     40   90     41   91     42   92     43   94     44   94     45   96     47   97	-	22	H	H	$\vdash$	┢	-	$\vdash$			$\vdash$							<u> </u>	┢	┢	t
24   74     25   75     26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     46   96	<b></b>		┢		-			-	-	П				73					$\vdash$	$\vdash$	Г
25   75     26   76     27   77     28   77     30   80     31   80     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97	-	24	$\vdash$	$\vdash$	-				-	<b>-</b>	$\vdash$						<u> </u>	H	$\vdash$		T
26   76     27   77     28   78     29   79     30   80     31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   90     41   91     42   92     43   94     44   94     45   96     47   97			┪							_	$\vdash$									Т	T
27   28   77     29   79     30   80     31   82     32   83     34   84     35   85     36   87     38   87     39   88     40   90     41   91     42   92     43   94     45   96     47   97		26	-		T	t								76							T
28   78     29   79     30   80     31   81     32   82     33   84     35   85     36   85     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97					1															Г	Γ
29 79   30 80   31 82   33 82   33 84   35 85   36 85   37 87   38 87   39 89   40 90   41 91   42 92   43 94   45 95   46 96   47 97					Τ									78						Γ	Γ
31   81     32   82     33   83     34   84     35   85     36   86     37   87     38   87     39   89     40   90     41   90     42   92     43   94     44   94     45   96     46   96     47   97		29	Γ				Г							79							Γ
32   82     33   83     34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97		30					Π														Γ
33 83   34 84   35 85   36 86   37 87   38 87   39 88   40 90   41 91   42 92   43 93   44 94   45 96   47 97														81							
34   84     35   85     36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97																					L
35 85   36 86   37 88   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97		33					L			L					L					<u> </u>	L
36 86   37 88   38 88   39 90   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97		34	_			L	L	Ĺ	L					84			_	L	<u></u>	L_	L
37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97					_	<u></u>	L		L							_		L.	L	L_	L
38 88   39 90   40 91   41 92   43 93   44 94   45 95   46 96   47 97		36	L		<u> </u>	L.		_	╙	$ldsymbol{le}}}}}}$							L				L
39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97			<u>L</u>		L_	_	_	L	_	_					_	_	_		_	<u> </u>	L
40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97			<u> </u>	<u> </u>	<u> </u>	_		_	_	_	_				_				_	<u> </u>	┞
41 91   42 92   43 93   44 94   45 95   46 96   47 97					_	_	ļ	_	<u> </u>		$\vdash$			89	_	_	_	<u> </u>		<u> </u>	╀
42 92   43 93   44 94   45 95   46 96   47 97		40	<u> </u> _		ļ	_	_	<u> </u>	<u> </u>	<u> </u>	_			90	_		<u> </u>	-	_	_	╀
43 93 94 94 95 95 96 96 97 97 97			<u> </u>		_	_		_	_	L	<u> </u>			91	$\vdash$		<del> </del>	-		1	╀
44 94 95 95 96 96 97 97 97		42			_	<u> </u>	<u> </u>		⊢	<u> </u>	<u> </u>			92	-	-		-		-	╀
45 95 96 96 97 97 97	-	43		├	$\vdash$	$\vdash$	-		├—		<u> </u>		-		$\vdash$		$\vdash$		-	1	+
46 96 97 97 97 97 97 97 97 97 97 97 97 97 97		44	-	├		├	├-	-	$\vdash$	$\vdash$	<u> </u>		<u> </u>	94	-	<del> </del>		$\vdash$	┝		⊦
47 97		45	<del> </del>	$\vdash$	<del> </del>	-	-	├	├		├				$\vdash$	-	├	-	├-	├-	╁
				├—	<del> </del>	$\vdash$		+-	┢	-	$\vdash$				-	-	-	$\vdash$	$\vdash$		╁
		48	1	⊢	⊢	-	$\vdash$		├─	-				98	<del>                                     </del>	-	$\vdash$	<del> </del>	┢	$\vdash$	$^{+}$
49 99 99	<del> </del>		-	$\vdash$	<del> </del> —	$\vdash$	├	-	-	$\vdash$	$\vdash$		<b> </b> -	90	<del>                                     </del>	-	$\vdash$	1-	-	$\vdash$	+
50 100	-	50	-	-	<del>                                     </del>	$\vdash$	╁	-	-		-			100	<del>                                     </del>		┢	<del> </del>	-	$\vdash$	t

Cla	aim	-				Date	)			
<u></u>	Original									
Final	įĝ									
	0									
<b>-</b> -	51	-		$\vdash$	_				_	$\vdash$
-	51 52	-	$\vdash$	-	_			$\vdash$		$\vdash$
-	53	$\vdash$	$\vdash$	-	_		_	_	$\vdash$	┝
	54	┝	_	-					$\vdash$	-
-	53 54 55	H	-	-	-		-		$\vdash$	
	56	_	_	$\vdash$	-	_	-		-	-
-	56 57		-	├	_	_	-		Н	-
<del></del>	50		-	-	-				H	<del> </del>
	58 59	-	-	┢	H				Н	-
-	60	_	-	-	_			-		
	61						_		H	┝
	60	-	$\vdash$				_	_		<u> </u>
<u> </u>	61 62 63	-	-	$\vdash$	$\vdash$	$\vdash$		┝	$\vdash$	$\vdash$
<u> </u>	03	$\vdash$	$\vdash$	$\vdash$		$\vdash$	-	⊢-	H	
<u> </u>	64 65	<u> </u>	<u> </u>	$\vdash$	$\vdash$		<del> </del>	-	$\vdash$	$\vdash$
<u> </u>	00	_	<u> </u>		<u> </u>		_	_		_
	66	_	<u> </u>	_	<u> </u>				_	
	67	_	<u> </u>	_						<u> </u>
ļ	68 69 70 71	_	_	<u> </u>	_				_	<u> </u>
	69	_	_			_				_
	70		_		_		_	_		_
	71		<u> </u>				_			<u> </u>
	72		_							_
	72 73 74 75 76 77 78 79	_	_	_		ш				_
	74	_	_	_			Ш			_
	75	_	$oxed{oxed}$		L			L.		
	76	_								_
	77						_	_		_
	78	L	<u>L</u>		_		_			
	79		<u> </u>						_	ļ
	80 81								L	L
	81	L	L_						L	_
	82	<u> </u>	_							
	83	L					<u> </u>	<u> </u>		<u> </u>
	84 85		$ldsymbol{ld}}}}}}$	<u> </u>	L_		<u> </u>	<u> </u>		<u> </u>
	85		<u> </u>	<u> </u>	L.	L.	L	$oxed{oxed}$	Ш	<u> </u>
	86 87			<u> </u>			<u> </u>		L	<u> </u>
<u></u>	87	<u> </u>	<u> </u>	Ц_		L	_	<u> </u>	<u> </u>	<u> </u>
	88	<u></u>	L_	<u></u>				<u> </u>	L_	
	89		L		Ш		L	L	L_	
	90					L_				<u> </u>
	91				L		L.			L
	92			<u>L</u>	L					<u></u>
	93		L.	$oxed{\Box}$				<u> </u>		L
	94		L							
	95									
	96							L		
	97									
	98									
	99									
	100	Г						Γ		

Cla	Date										
Final	Original										
ᆵ	rig										
	101	_		Т							
	102									$\Box$	
	101 102 103		_			$\vdash$	Т			П	
	104		_	$\vdash$	$\vdash$	$\vdash$					
	104 105		_	<u> </u>		H	Г			П	
	106		_	-				$\vdash$	_		
	107		$\vdash$	$\vdash$	-	-	Н	$\vdash$		$\vdash$	
	107 108			$\vdash$		_	Т	-			
	109	-				_					
	109 110			$\vdash$			_	_		П	
	111			<del> </del>				H		$\neg$	
	112		$\vdash$	<u> </u>	Г	<b>-</b>				$\vdash$	
	113		$\vdash$	<u> </u>	$I^-$		$\vdash$	$\vdash$	$\vdash$	$\vdash$	
-	114			<del>                                     </del>			$\vdash$	$\vdash$		$\Box$	
	115	$\vdash$	$\vdash$	-	Г		Т	-		$\vdash$	
	116	Н	$\vdash$	-	$\vdash$	$\vdash$	$\vdash$	<del>                                     </del>		$\vdash \vdash$	
	112 113 114 115 116 117						_	$\vdash$		$\dashv$	
	118	-	$\vdash$		$\vdash$	$\vdash$		Ι-		$\dashv$	
-	118 119	-	-			<u> </u>	_	_		$\Box$	
	120 121 122		<u> </u>	-	_		$\vdash$	$\vdash$	-		
	121	_	_	_	<b></b> -			_			
	122		$\vdash$	-			$\vdash$	Ь—	$\vdash$		
	123			-	_		<u> </u>	$\vdash$			
	124		-	_		_	┢┈	$\vdash$			
	123 124 125		_					Т			
	126						Г				
	126 127 128 129 130										
	128										
	129										
-	130										
	131			-							
-	131 132										
	133										
	134								Г	П	
	135		Г	Г			Γ		Г	П	
	136			Π	Γ		Ī				
	137										
	137 138										
	139										
	140										
	141						L	L			
	142										
	143								L		
	144						L	L			
	145		L								
	146										
	147										
	148									Ш	
	149					匚	L		匚		
	150										